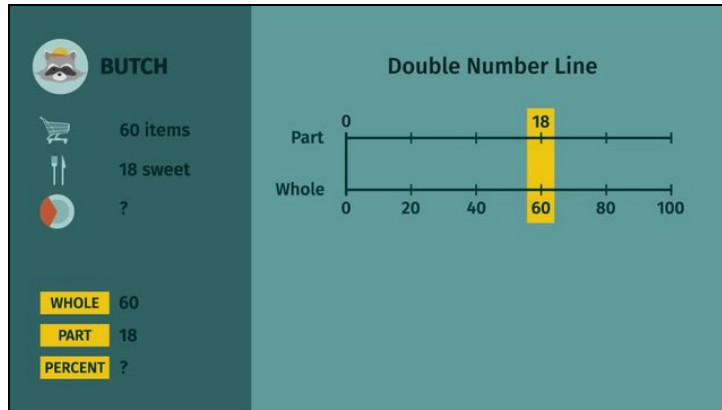


Worksheets to print out from [sofatutor.com](https://www.sofatutor.com)

Visualizing the Percent of a Quantity



- 1 Identify the equation representing a percent.
- 2 Find the missing percent using the double number line.
- 3 Complete the 10x10 grid.
- 4 Complete the tape diagram.
- 5 Interpret the diagrams.
- 6 Solve the word problems using a diagram.
- + with many hints, answer keys, and solution approaches for all tasks



The complete package, including all tasks, hints, solutions, and solution approaches, is available to all subscribers of [sofatutor.com](https://www.sofatutor.com)

Identify the equation representing a percent.

Drag and drop the missing elements into the equation to make it true.

Part

Whole

Percent

$$\frac{\boxed{1}}{100} = \frac{\boxed{2}}{\boxed{3}}$$

Our hints for the tasks

1
from 6

Identify the equation representing a percent.

1. Hint

The equation shows two equivalent ratios. The percent is what the part would be if the whole were 100 .

2. Hint

One ratio represents percent and the other represents the part to the whole.

3. Hint

In the following equation, 20 represents the percent: $\frac{20}{100} = \frac{5}{25}$

Solutions and solution approaches for the tasks

1
from 6

Identify the equation representing a percent.

Answer key: 1*: Percent // 2*: Part // 3*: Whole

***also correct:** 1: percent // 2: part // 3: whole

The equation shows two equivalent ratios:

- $\frac{\text{Percent}}{100} = \frac{\text{Part}}{\text{Whole}}$

The percent is what the part would be if the whole were 100. This means that **percent** relates to **part** and therefore has to line up to the numerator. Since 100 relates to the **whole**, it has to line up with the denominator.